

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 20 | "5417700" | US;PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/07/22 09:13 |
| S2 | 14 | ("1822330" "2336689" "3513848" "3608095" "3608539" "4050100" "4265246" "4312337" "4369787" "4583540" "4590929" "4635638" "4935027" "4957498").PN. | USPAT | OR | OFF | 2002/07/22 08:42 |
| S3 | 108 | "4957498".URPN. | USPAT | OR | OFF | 2002/07/22 08:47 |
| S4 | 83 | ("0984756" "1037864" "1131163" "1155378" "1293565" "1293660" "1449087" "1876792" "2213830" "2601564" "2716615" "2880728" "3073311" "3090386" "3349772" "3470875" "3664345" "3714671" "3807407" "3842840" "3901244" "3946740" "4021896" "4034850" "4038988" "4109658" "4161951" "4164225" "4182341" "4236470" "4266552" "4345601" "4373530" "4471781" "4491135" "4549545" "4580567" "4621640" "4635638" "4823794" "4826487" "4827931" "4834713" "4890615" "4898155" "4917089" "4923461" "4935027" "4957498" "4983176" "5059201" "5100042" "5123528" "5171257" "5181919" "5188636" "5207693" "5217471" "5219359" "5224948" "5242458" "5254128" "5259846" "5261917" "5281220" "5284488" "5300082" "5306290" "5336191" "5344061" "5366480" "5389103" "5433727" "5454823" "5474057" "5478344" "5478345" "5480406" "5571090" "5618270" "5632751" "5632752" "5645552").PN. | USPAT | OR | OFF | 2002/07/22 08:56 |

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|-----|-----|--|--|----|-----|---------------------|
| S5 | 754 | 606/139.ccls. | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2002/07/22 10:23 |
| S6 | 825 | 606/151.ccls. | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2002/07/22 10:26 |
| S7 | 362 | 606/153.ccls. | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2002/07/22 09:51 |
| S8 | 301 | 606/157.ccls. | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2002/07/22 10:23 |
| S9 | 201 | 606/151.ccls. and gripping | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2002/07/22 10:56 |
| S10 | 36 | 606/151.ccls. and gripping and shaft and rod | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2002/07/22 10:59 |
| S11 | 13 | 606/151.ccls. and gripping and shaft and rod and cap | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2002/07/23 15:42 |

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| S12 | 1 | 606/159.cds. and gripping and shaft and rod and (cap same distal) | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2002/07/23 16:04 |
| S13 | 33 | 606/159.cds. and gripping and shaft | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2002/07/23 16:04 |
| S14 | 1166739 | 606/151,153,157,159.cds. and heart valve leaflets | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/01/11 12:27 |
| S15 | 2289 | 606/151,153,157,159.cds. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/01/11 12:28 |
| S16 | 37 | 606/151,153,157,159.cds. and(heart adj valve or heart adj leaflet) | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/07 12:57 |
| S17 | 2 | "6165183".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/01/11 12:45 |
| S18 | 9 | ("5042707" "5209756" "5417700" "5423858" "5478353" "5713910" "5797927" "5810847" "5947363").PN. | USPAT | OR | OFF | 2003/01/11 12:45 |
| S19 | 1 | "6165183".URPN. | USPAT | OR | OFF | 2003/01/11 12:48 |

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| S20 | 4 | kuehn-stephen.IN. | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/29 16:56 |
| S21 | 0 | kuehn-stephen.IN. and valve | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/07 13:01 |
| S22 | 2 | "6165183".pn. | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/07 13:02 |
| S23 | 9 | ("5042707" "5209756" "5417700" "5423858" "5478353" "5713910" "5797927" "5810847" "5947363").PN. | USPAT | OR | OFF | 2003/05/07 13:05 |
| S24 | 2 | "6165183".URPN. | USPAT | OR | OFF | 2003/05/07 13:11 |
| S25 | 11 | ("5423882" "5450860" "5478309" "5522873" "5824065" "5827237" "5833671" "5879307" "5885271" "6019722" "6165183").PN. | USPAT | OR | OFF | 2003/05/07 13:13 |
| S26 | 1 | "6312447".URPN. | USPAT | OR | OFF | 2003/05/07 13:18 |
| S27 | 404 | (ring near4 tube or tubular) and 606/151.ccls. | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 17:01 |
| S28 | 1 | (ring with (applicator or tube or tubular) same (spring with lock) and 606/151.ccls.) | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 18:07 |

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| S29 | 9 | ("5042707" "5209756" "5417700" "5423858" "5478353" "5713910" "5797927" "5810847" "5947363").PN. | USPAT | OR | OFF | 2003/05/20 17:06 |
| S30 | 2 | "6165183".URPN. | USPAT | OR | OFF | 2003/05/20 17:14 |
| S31 | 19 | (ring with (applicator or tube or tubular) same (spring) and 606/151.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 18:44 |
| S32 | 16 | (shaft or tube or sheath with cap) same (gripper with rod) and ("606"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:11 |
| S33 | 0 | (shaft or tube or sheath with cap near4 pivot) same (gripper near4 arms with rod) and ("606"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:14 |
| S34 | 0 | (gripper with arms with pivot) same (cap with pivot with tube or shaft) and ("606"/\$.ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:18 |
| S35 | 0 | gripper with arms) same(cap with pivot) and ("606"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:19 |
| S36 | 0 | gripper with arms) same(cap near4 pivot) and ("606"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:20 |

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| S37 | 0 | gripper with arms) same(cap near4 pivot) and ("606"/\$.cols. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:20 |
| S38 | 0 | gripper with arms) same(cap near4 pivot) and ("606"/\$.cols. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:21 |
| S39 | 0 | gripper with arms) same(cap adj4 pivot) and ("606"/\$.cols. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:22 |
| S40 | 0 | gripper with arms) same(cap adj4 pivot) and ("606"/\$.cols. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:22 |
| S41 | 54 | gripper with arms) and ("606"/\$.cols. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:32 |
| S42 | 51 | cap with pivot) and ("606"/\$.cols. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/20 19:33 |
| S43 | 0 | (gripper with arms) same (cap with pivot) and (606/157-158,213,215-217,220-221.cols.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 11:40 |

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| S44 | 0 | ((gripper with arms)same(cap with pivot) and (606/157-158,213,215-217,220-221.cols.) | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 11:41 |
| S45 | 0 | ((gripper with arms)and(cap with pivot) and (606/157-158,213,215-217,220-221.cols.) | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 11:41 |
| S46 | 0 | ((gripper with arms)and(cap with pivot) and (606/157-158,213,215-217,220-221.cols.)) | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 11:43 |
| S47 | 14 | ((gripper with arms)and (606/157,158,213,215,216,217,220,221.cols.)) | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 12:23 |
| S48 | 4 | "3874388".pn. | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 12:24 |
| S49 | 9 | ("2493326" "2799273" "3334629" "3397699" "3540431" "3574865" "3592184" "3671979" "3675639").PN. | USPAT | OR | OFF | 2003/05/21 12:25 |
| S50 | 137 | "3874388".URPN. | USPAT | OR | OFF | 2003/05/21 12:45 |
| S51 | 2 | "6503274".pn. | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 17:20 |

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| S52 | 2 | "6368348",pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 17:23 |
| S53 | 2 | "6419696",pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 17:25 |
| S54 | 2 | "6217610",pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 17:27 |
| S55 | 2 | "5888240",pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 17:29 |
| S56 | 2 | "6217610",pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 17:29 |
| S57 | 2 | "6406493",pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2003/05/21 17:29 |
| S58 | 8 | hinnenkamp-thomas-f.I.N. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2004/10/27 09:46 |

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| S59 | 19 | ("3828787" "3860005" "4655218" "4679556" "4683883" "4755181" "4865600" "4932965" "5041130" "5236450" "5350420" "5370685" "5403305" "5443502" "5476510" "5480425" "5578076" "5735894" "5824068").PN. | USPAT | OR | OFF | 2004/10/27 09:39 |
| S60 | 2 | "5578076".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2004/10/27 09:47 |
| S65 | 2 | "5578076".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/29 10:47 |
| S66 | 11 | hinnenkamp-thomas-f.IN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/29 17:03 |
| S67 | 15 | holmberg-william-r.IN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/29 17:06 |
| S68 | 8 | shepherd-terry-l.IN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/29 17:07 |
| S69 | 2 | "6695866".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/30 07:06 |

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| S70 | 2 | "6165183".pn. | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/30 07:06 |
| S71 | 27 | ("3671979" "3874388" "5042707" "5181919" "5209756" "5403326" "5417700" "5423858" "5425738" "5478353" "5496310" "5549122" "5609598" "5702048" "5713910" "5797927" "5810847" "5855614" "5891162" "5947363" "5954731" "5957936" "5976164" "6017358" "6086600" "6120513" "6269819").PN. | US-PPGUB; USPAT; USCOR | OR | OFF | 2005/06/30 07:12 |
| S72 | 1 | ("6695866").URPN. | USPAT | OR | OFF | 2005/06/30 07:26 |
| S73 | 3 | (leaflet adj) fastener with arms) and (pivot) and (gripping) and (tissue) | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/30 07:29 |
| S74 | 71 | (fastener with arms) and (pivot) and (gripping) and (tissue) | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/30 07:44 |
| S75 | 11 | S74 and heart | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/30 07:29 |
| S76 | 59 | (shaft or tube) and (cap) and (arms) and (gripper) and (rod or wire) and (tissue) | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/30 07:46 |

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| S77 | 5 | S76 and (spike) and (pivot) | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/06/30 07:47 |
| S78 | 94 | (:"0002182" "0415175" "0715612" "0816026" "1200594" "1452373" "1906527" "1933317" "2254620" "2356376" "2668538" "2811971" "2910067" "3110899" "3150379" "3203220" "3205757" "3378010" "3526257" "3618447" "3631707" "3716050" "4052988" "4064881" "4162678" "4164225" "4256251" "4345600" "4399810" "4406392" "4448194" "4451254" "4493322" "4506669" "4506819" "4523591" "4523695" "4526173" "4527725" "4527726" "4535772" "4569469" "4591086" "4595007" "4605002" "4610251" "4612923" "4688560" "4712550" "4744365" "4753636" "4815468" "4832026" "4834099" "4841960" "4858603" "4865032" "4869242" "4873976" "4874122" "4887756" "4895148" "4898186" "4899745" "4924866" "4944742" "4973211" "4976686" "500449" "5007921" "5026374" "5047047" "5156609" "5158566").PN. | US-PPGUB; USPAT; USCOR | OR | OFF | 2005/06/30 07:56 |
| S79 | 2 | :"5578076".pn. | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2005/11/28 18:16 |
| S80 | 2 | :"5578076".pn. | US-PPGUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2006/02/08 11:33 |

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|-----|----|---|---|----|-----|---------------------|
| S81 | 2 | "5578076".pn. | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2006/08/16 11:26 |
| S82 | 16 | ("4605002" "4655218" "5453086" "5578076" "5618307" "5732872" "6019790" "6695866").PN. | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2006/08/16 11:27 |
| S83 | 10 | ("1982209" "2626608" "3265069" "3916908" "4106508" "4226240" "4345600").PN. | US-PPGPUB; USPAT; USOCR | OR | OFF | 2006/08/16 12:53 |
| S84 | 0 | (pointed with member) same (arms) same (pivot) same (grip\$3) and (heart) | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2006/08/16 12:55 |
| S85 | 24 | (pointed with member) and (arms) and (pivot) and (grip\$3) and (heart) | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2006/08/16 12:56 |
| S86 | 10 | S85 and @pd<"19980715" | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2006/08/16 13:08 |
| S87 | 0 | (cap) same (slide\$3 with gripper) same (arms with spike) and (heart) | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2006/08/16 13:10 |
| S88 | 0 | (cap) and (slide\$3 with gripper) and (arms with spike) and (heart) | US-PPGPUB; USPAT; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2006/08/16 13:10 |

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|-----|----|---------------------------|--|----|-----|---------------------|
| S89 | 4 | "3916908".pn. | US_PGPUB; USPAT; USOCR; FPFS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/26 10:17 |
| S90 | 2 | "5601572".pn. | US_PGPUB; USPAT; USOCR; FPFS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/26 10:56 |
| S91 | 5 | "694293".ap. | US_PGPUB; USPAT; USOCR; FPFS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/26 10:59 |
| S92 | 13 | kuehn with stephen.in. | US_PGPUB; USPAT; USOCR; FPFS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/26 11:01 |
| S93 | 8 | shepherd with terry.in. | US_PGPUB; USPAT; USOCR; FPFS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/26 11:03 |
| S94 | 20 | holmberg with william.in. | US_PGPUB; USPAT; USOCR; FPFS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/26 11:10 |

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| S95 | 14 | (arms or arm) same (taper\$3 with protrusion) and (heart) | US_PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/26 11:25 |
| S96 | 0 | (arms) and (blind with taper\$3) and (arms with pivot with grip\$4) and (heart) | US_PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/26 16:02 |
| S97 | 2 | (arms) and (blind with taper\$3) and (arms with pivot with grip\$4) | US_PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/26 16:02 |
| S98 | 25 | ("0358016" "0507817" "0510897" "1498488" "1962814" "2037834" "2375081" "2470327" "2484043" "2486851" "4010532" "4360136" "5168616" "5177848" "6006410").PN. | US_PGPUB; USPAT; USCOR | OR | OFF | 2007/03/26 16:11 |
| S99 | 4 | ("6240614").URPN. | USPAT | OR | OFF | 2007/03/26 16:41 |
| S100 | 2 | "5601572".pn. | US_PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/27 09:13 |
| S101 | 2 | "6440120".pn. | US_PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/03/27 09:13 |

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| S102 | 24 | ("2625934" "3459175" "3874388" "4508535" "4593690" "4610661" "4784639" "4795446" "5058934" "5146925" "5192286" "5339809" "5695519" "5715818" "5769816" "5827324" "5895399" "5980503" "6019753" "6021816" "6053932" "6146400").PN. | US-PPGUB; USPAT; USOCR | OR | OFF | 2007/03/27 09:15 |
| S103 | 52 | ("5601572").URPN. | USPAT | OR | OFF | 2007/03/27 09:16 |
| S104 | 3 | "2470327".PN. | US-PPGUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/09/11 11:07 |
| S105 | 2 | "5601572".PN. | US-PPGUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/09/11 11:07 |
| S106 | 54 | ("5601572").URPN. | USPAT | OR | OFF | 2007/09/11 11:59 |
| S107 | 1 | "6336934".PN. | USPAT | OR | OFF | 2007/09/11 13:36 |
| S108 | 1 | "3044461".PN. | USPAT | OR | OFF | 2007/09/11 16:08 |
| S109 | 1 | "5707359".pn. | USPAT | OR | OFF | 2007/09/11 16:09 |
| S110 | 26 | ("2470327" "3916908" "4605002" "4655218" "5453086" "5578076" "5601572" "5618307" "5732872" "6019790" "6695866").PN. | US-PPGUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2007/09/12 08:09 |
| S111 | 5 | ("6019790").URPN. | USPAT | OR | OFF | 2007/09/12 09:41 |

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| S112 | 0 | (pointed with member) and (arms with protrusion) and (pivot) and (grip\$3) and (heart).clm. | US-PPGUB; USPAT | OR | OFF | 2007/09/12 09:48 |
| S113 | 0 | (pointed with member) and (arms with tapered) and (pivot) and (grip\$3) and (heart).clm. | US-PPGUB; USPAT | OR | OFF | 2007/09/12 09:49 |
| S114 | 6 | pointed with member) and (arms) and (pivot) and (grip \$3) and (heart).clm. | US-PPGUB; USPAT | OR | OFF | 2007/09/12 09:49 |
| S115 | 3 | "4038987".pn. | US-PPGUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2008/09/02 11:19 |
| S116 | 2 | "5423858".pn. | US-PPGUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2008/09/02 11:22 |
| S117 | 3 | ("4038987").PN. | US-PPGUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; BM_TDB | OR | OFF | 2008/09/05 10:49 |

9/5/2008 11:51:41 AM

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